

**RE: NWOD In-Canal Stabilization Test Section Work Plan for Agency Review - Today if possible**

**Paul Fuglevand** to: Hernandez.Kathryn

10/22/2012 10:32 AM

From: "Paul Fuglevand" <pfuglevand@dofnw.com>

To:

Cc: "Bill Rees" <brees@utah.gov>, "Elizabeth Palmer" <epalmer@utah.gov>

**Please respond to <pfuglevand@dofnw.com>**

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Just a quick email on landfill footprint calculations:

Assumed added tons of sediment to add cement at 5% by weight

<![if !supportLists]>•<![endif]>Segment 2B 25,000 tons Excavation, add cement adds 1,250 tons

<![if !supportLists]>•<![endif]>Segment 3 25,000 tons Excavation, add cement adds 1,250 tons

<![if !supportLists]>•<![endif]>Total added landfill with cement, **2,500 tons**

Cement in-canal stabilization eliminates 2 or 3 SPAs. It is too far to truck all the way back to SPA 1 for segments 2B and 3. Likely will have a SPA for Segment 2B, and two SPAs for Segment 3, one on each side of the Jordon River. After use each SPA will require demolition. At 1 acre each, and assuming 1' of material to remove and dispose of, each SPA will result in about 2,000 tons of added disposal. Two SPAs would add **4,000 tons** of disposal. Three SPAs would result in up to 6,000 tons of disposal.

So doing **in-canal stabilization has the potential to result in a net decrease of tons to landfill of 1,500 tons (4,000 – 2,500) to 3,500 tons (6,000 – 2,500 tons).**

Paul Fuglevand

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**From:** Hernandez.Kathryn@epamail.epa.gov [mailto:Hernandez.Kathryn@epamail.epa.gov]

**Sent:** Monday, October 22, 2012 8:13 AM

**To:** pfuglevand@dofnw.com

**Cc:** Bill Rees; Elizabeth Palmer

**Subject:** Re: NWOD In-Canal Stabilization Test Section Work Plan for Agency Review - Today if possible

Based on this document (the latest version did not come to my epa email), the summary is not adequate. The criteria I want reviewed are 1) Assessment of the volume/weight of material disposed of amended with Portland Cement vs zapzorb. Although you discuss the SPAs that will not have to be built, there is no overall discussion of the total disposal volume/weight expectation based on the different methods. Can the same

facility be used? lined/unlined?, difference in transport (my guess is this material will be significantly heavier)? etc. Will there be more truck trips offsite? Additionally, please clarify if there will be any residual from the Portland Cement left at the site? Upland or instream? What about its effect on the landfill (biodegradeable) etc? When zapzorb vs PC, what is the long term footprint at the disposal facility?

As I had mentioned earlier I would like a clear summary of the total impacts (environmental footprint) of using both of these options.

Kathryn Hernandez  
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▼ "Paul Fuglevand" ---10/19/2012 08:35:26 AM---Kathy, Liz, Bill

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Date: 10/19/2012 08:35 AM

Subject: NWOD In-Canal Stabilization Test Section Work Plan for Agency Review - Today if possible

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Kathy, Liz, Bill

Attached is a NWOD In-Canal Stabilization Test Section Work Plan for your review, today if possible. We expect to complete removal of the sediment from Section 2A of the canal by the end of next week, so we would like to begin preparing for a test section on Monday to make it happen.

Feel free to call me with any questions or comments. We would like to give the contractor notice for the test section by end of day Monday if at all possible.

Thank you for your consideration of the in-canal stabilization work plan.

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[attachment "NWOD In-Canal Stabilization Test Section Work Plan 2012-10-19.pdf" deleted by Kathryn Hernandez/R8/USEPA/US]